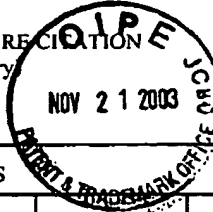


Form PTO-1449 U.S. Department of Commerce (Rev. 8-88) Patent and Trademark Office		Attorney Docket No.: 2803.68147		Divisional of Serial No.: 09/097,027	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Applicant: Takeda et al.			
		Filing Date: November 21, 2003		Group: 2871	



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DN	5,136,407	Aug. 4, 1992	Clerc			
	5,298,199	Mar. 29, 1994	Hirose et al.			
	5,434,690	Jul. 18, 1995	Hisatake et al.			
	5,583,679	Dec. 10, 1996	Ito et al.			
	5,608,556	Mar. 4, 1997	Koma			
	5,953,093	Sep. 14, 1999	Hirata et al.			
	5,986,732	Nov. 16, 1999	Ozeki et al.			
	5,995,190	Nov. 30, 1999	Nagae et al.			
DN	6,191,836	Feb. 20, 2001	Woo et al.			

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	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
DN	EP 445,777	Sept. 11, 1991	Europe	—	—	Yes	
I	EP 636,917	Feb. 1, 1995	Europe	—	—	Yes	
I	EP 676,661	Oct. 11, 1995	Europe	—	—	Yes	
DN	JP 2,507,122	April 2, 1996	Japan	—	—		No

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DN	Okamoto; MVA Liquid Crystal Technology - Latest Version of VA Liquid Crystals; <i>Nikkei Flat Panel Display</i> ; Part 3-6; Pages 104-107.
DN	Ohmuro et al., Development of Super-High-Image-Quality Vertical-Alignment-Mode LCD, DIS 97 DIGEST; pp. 845-848.
DN	Ong, H.L., "Multi-Domain Homeotropic LCDs with Symmetrical Angular Optical Performance," <i>SID International Symposium Digest of Papers</i> , vol. 23, May 17, 1992, pp. 405-408.

Examiner	DN6UYEN	Date Considered	11/10/04
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U.S. PATENT DOCUMENTS							
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DN	5,309,624	May 10, 1994	Nishikawa				
	5,757,451	May 26, 1998	Miyazaki et al.				
	5,907,380	May 25, 1999	Lien				
	6,147,729	Nov. 14, 2000	Kurauchi et al.				
DN	5,745,206	Apr. 1998	Koike et al.				
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	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
DN	JP 10-048634	Feb. 20, 1998	Japan	—	—	Abs.	
DN	JP 1-189629	July 28, 1989	Japan	—	—	Abs.	
DN	JP 1-196020	Aug. 7, 1989	Japan	—	—	Abs.	
DN	JP 2-151830	June 11, 1990	Japan	—	—	Desc. Only	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	Soref et al.; "Electrically Controlled Birefringence of Thin Nematic Films"; <i>Journal of Applied Physics</i> , vol. 43, no. 5, May 1972, pp.2029 - 2037						
Examiner	DNUNYDN			Date Considered 11/10/04			
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	4,701,028	Oct. 20, 1987	Clerc			
	4,786,147	Nov. 22, 1988	Clerc			
	4,889,412	Dec. 26, 1989	Clerc			
	5,309,264	May 3, 1994	Lien			
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	5,673,092	Sept. 30, 1997	Horie			
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DN	6,061,117	May 9, 2000	Horne			

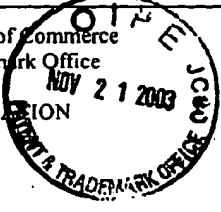
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						Yes	No
DN	JP 2-190825	July 26, 1990	Japan	-	-	Desc. Only	
DN	JP 3-043701	Feb. 25, 1991	Japan	-	-	Abs.	
DN	JP 3-209220	Sept. 12, 1991	Japan	-	-	Desc. Only	
DN	JP 3-261914	Nov. 21, 1991	Japan	-	-	Abs.	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


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Examiner Initial*	Document Number	Date	Country	Class	Subclass	Translation		
						Yes	No	
DN	JP 5-173142	July 13, 1993	Japan	+	-		No	
DN	JP 6-258649	Sept. 16, 1994	Japan	-	-	Partial		
DN	JP 6-301036	Oct. 28, 1994	Japan	-	-	Abs.		
DN	JP 7-013164	Jan. 17, 1995	Japan	-	-	Abs.		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	

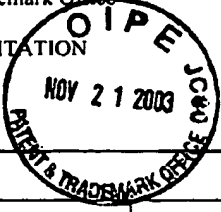
  

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	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
DN	JP 7-199205	Aug. 4, 1995	Japan	—	—	Partial	
DN	JP 7-230097	Aug. 29, 1995	Japan	—	—	Abs.	
DN	JP 7-234414	Sept. 5, 1995	Japan	—	—		No
DN	JP 7-281195	Oct. 27, 1995	Japan	—	—		No

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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Applicant: Takeda et al.			
		Filing Date: November 21, 2003		Group: 2871	

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Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

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	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
DN	EP 0854377	July 22, 1998	Europe	—	—	X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	

Examiner <u>DN6U46V</u>	Date Considered <u>11/10/04</u>
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	Document Number	Date	Country	Class	Subclass	Translation	
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72	JP 09-120072	May 6, 1997	Japan	—	—	Abs.	

D2	Aratani et al., "Complete Suppression of Color Shift in In-Plane Switching Mode Liquid Crystal Displays with a Multidomain Structure Obtained by Unidirectional Rubbing," Japanese Journal of Applied Physics, Tokyo, JP, Vol. 36, No. 1A/B, Part 2, January 15, 1997, pp. L27-L29.
	Anonymous, "Liquid Crystal Display," Research Disclosure, vol. 41, No. 409, May 1, 1998.

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